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IDENTIFIER:
TITLE: OPTICAL DISK REPRODUCING METHOD AND OPTICAL DISK
DEVICE

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ABSTRACT:

PROBLEM TO BE SOLVED: To increase the retention rate of look-ahead data in such a manner that another look-ahead is made possible while data are transferred from one of storage means, and to increase the speed of data transfer by the reduction of the seek between layers, by providing temporary storage means independent for every layer of a recording medium having plural recording layers.

SOLUTION: Cache buffer memories 14, 15 are provided corresponding to the 1st and 2nd recording layers of the optical disk 11. The data requested to read for the 1st layer are read out on the storage area of the buffer memory 14 and transferred to a data processing part 16, and the look-ahead is proceeded for the 1st layer with a pickup module 12 by a controller 17 until the read for the 2nd layer is requested. When the read is requested for the 2nd layer, the data are read out on the storage area of the buffer memory 15, and the look-

ahead for the 2nd layer is continued after transferred to the data processing part 16. When the read is requested for the 1st layer, the data are transferred from the buffer memory 14, but the look-ahead is continued for the 2nd layer.

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